MAGPOWR TENSION CONTROL



DLCA NET Terminal Tool ^{User Manual}





MI 850A368 1 A

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TERMINAL TOOL

Introduction

Use the Terminal Tool to upload a new version of firmware to any model of the DLCA NET, capture parameters from a DLCA NET to a file, and send parameters to a DLCA NET from a file. For simplicity, this document refers to all models as DLCA NET. This software is also used with the Fife D-MAX product.

Software installation

- 1. Extract the contents of the .zip file (provided by Maxcess) into an empty directory on your computer.
- 2. Run the TerminalSetup.exe program and follow the prompts.

If prompted by Windows Defender, you DO want to allow applications to run through the firewall.





- During installation, the program icon will be placed on your desktop.
- You do not need to reboot your computer after the program is installed.

SETUP

Device setup

Hardware connections

- 1. Disconnect the DLCA NET from any fieldbus.
- 2. Connect an Ethernet cable between the DLCA NET Ethernet port 2 and the computer.
- 3. Apply 24V power to the DLCA NET.
- 4. Go to your desktop and use the icon to open the Terminal Tool program.

Confirm web server access

- 1. Connect the DLCA NET to the computer and verify that you can access the DLCA NET through a web browser.
- 2. Type in 10.0.0.113 or the IP address assigned to a DLCA NET, if the device has been reconfigured.
- 3. The DLCA NET web server page will open, which confirms that you have access.

If it does not, you will need to adjust the network adapter.

General					
You can get IP settings assigned autor this capability. Otherwise, you need to for the appropriate IP settings.	atically i ask you	f yoi r net	ur ne work	twork s admini	upports strator
Obtain an IP address automatical	у				
O Use the following IP address:					\rightarrow
IP address:	10.	0	. 0	. 200	
Subnet mask:	255 .	0	. 0	. 0	
Default gateway:					
 Obtain DNS server address autom Use the following DNS server add Preferred DNS server: Alternate DNS server: 	esses:		•	•	
Validate settings upon exit			(Adva	nced
		(ж		Cancel

- Go to Control Panel > Network and Sharing; select Network Adapter > Properties.
- Select Internet Protocol Version 4 TCP/IP Rv4 > Properties.
- 3. Select Use the following IP address:
 - a) Enter IP address 10.0.0.200.
 - b) Set the subnet address to 255.0.0.0.
- 4. Close the control panel and browser.
- 5. Reopen the browser and type in 10.0.0.113 or the IP address assigned to a DLCA NET, if the device has been reconfigured.

The web server page should now appear.

SETUP

Start the Terminal Tool



- 1. Click the button on the main screen to search for connected DLCA NET devices.
- 2. If the device is listed, see pages 7 through 10 for Terminal Tool operation details.

Te Ne	twork	al (10	.0.0.200) <5	>		9				
××	CL 00	MX 00	Type DLCANET	SW-Nr	1	Name DLCANET	SN-Nr 042718004	(IP-)Adr 10. 0. 0.113	FW-Nr Jul 11 2018-0103	MAC-ID 00:0F:87:00:C0:42
		1								
				F	lestart)evice	MAC-ID FW-N SW-N	: 00:0F:87:0	0:C0:42 💭	1	1
			SW:	Software to se Customi DLCANET	ent ze	1		Save Selected D	e Backup to file	

15	Restore Move]
-	Minimize Maximize	F	Name	SN-Nr	(IP-)Adr
¢	Close Alt+F4				
	Info über Terminal				
	Select Ethernet Port	2 4	10.0.0.20		
	Setup Label Printer		172.22.5. 127.0.0.1	154	
		Restart Device	No der MAC- FW- SW-	vice selected IC2 Nr: Nr:	2
	- new Software to	o sent	-1		Selecte
					C

If no DLCA NET appears in the list, you will need to connect your computer to the correct Ethernet IP address.

- In the upper left hand corner of the Terminal Tool main screen, click on the F icon.
- 2. Select Ethernet Properties from the expanded menu, and then select 10.0.0.200 (or the IP address you have assigned to your Ethernet adapter).
- 3. On the Terminal Tool, search again for the DLCA NET device. If it still does not appear in the list, the firewall may be blocking the program access. See page 11 for solution.

Main screen functions

					4? 44 44	2		
* CL 73	MX 00	Type DLCANET	SW-Nr 	Name DLCANET	SN-Nr 042718004	(IP-)Adr 10. 0. 0.113	FW-Nr Jul 11 2018-0103	MAC-ID 00:0F:87:00:C0:42
			13 Rest Devi	art ce SW-N): 00:0F:87:00 r: Jul 1 r: 2010.012	5 D:C0:42 🥥 1 Print>> 6		
		nev	7 ware to sent- Customize		·∖	12 Save	Backup to file	
		9 10055	LCANET 1005 1-104.F61	51-104		 Selected D C all Devices 	evice 11	

Some of the screen features are not activated for use with the Terminal Tool (N/A).

1	Ethernet address that the Terminal Tool is currently connected to.
2	Search button finds DLCA NET devices connected your computer
3	List of search results; DLCA NET devices found
4	Information about the device selected from the list above
5	LED; click to ping list for your device (N/A)
6	Print label (N/A)
7	Customize parameters (N/A)
8	Browse to the directory containing the files you wish to upload
	Firmware files = $100551 - xxx$.F61, where xxx is the version number.
	Configuration files = $xxxx$.FX6, where xxx is the file name you choose File upload
9	File name to be uploaded
10	Click to upload file.
11	Choose to save a single selected device or all devices in the list
12	Click to download (save) parameter file to computer.
13	Restart button; use after updating firmware.

Uploading new firmware

× CL M>	Туре	SW-Nr	Name	SN-Nr	(IP-)Adr	FW-Nr	MAC-ID	
00 00	DLCANET		DLCANET	033018002	10. 0. 0.113	Jul 10 2018-010	4 00:0F:87:00:0	CO:18
	_ new	Software to sent-	SW-Nr	Pro			×	
		Customize				FW Upload		
	FW: I	DLCANET 10055	1-104		Initialization: Transmission:	Successful		
		51.104 EC1			Plocks Written:	douve. 20%		
	10055	1			DIOCKS WHILEH.	_		
	1005				Actual Block	Te	erminal	
	1005	27			Actual Block	Te	erminal	

1. Press the Search button to find the connected DLCA NET; the device will appear in the list as shown below.

- 2. From the displayed list, select the DLCA NET to be updated.
- 3. Browse to the firmware file you wish to upload.
- 4. Select the firmware file (100551-xxx.F61) and click Open.
- 5. On the Terminal Tool, press the UP arrow button to upload the firmware to the DLCA NET.

The upload can take several minutes to complete; a progress screen will appear showing the percentage that is complete. Another prompt appears, indicating that the update is finished.

6. Press the Restart Device button to run the new firmware.

Download parameters from the DLCA NET to a file

1. Press the Search button to find the connected DLCA NET; the device will appear in the list as shown below.

×	CL	MX	Туре	SW-Nr	Name	SN-Nr	(IP-)Adr	FW-Nr	MAC-ID
×	00	00	DLCANET	 	DLCANET	042718004	10. 0. 0.113	Jul 11 2018-0103	00:0F:87:00:C0:42
			new	Resta Devid	Art FW-N SW-N	0:0F:87:0 r: Jul 1 r:	0:C0:42	e Backup to file –	
				Customize					

- 2. Select the DLCA NET in the list and click the DOWN arrow button.
- 3. Select a file location and file name to save the parameters downloaded from the DLCA NET.

Note: The parameters file for the DLCA NET must have an extension of *.FX6.

- 4. Click the Save button.
- 5. The Save process takes less than thirty seconds; there is no pop-up screen to indicate completion.

Upload parameters from a file to the DLCA NET

1. Press the Search button to find the connected DLCA NET; the device will appear in the list as shown below.

						6		
* CL 00	MX 00	Type DLCANET	SW-Nr	Name DLCANET	SN-Nr 033018002	(IP-)Adr 10. 0. 0.113	FW-Nr Jul 10 2018-0104	MAC-ID 00:0F:87:00:C0:1E
>								
				Terminal		×		
			Re De	sta vic	Download fini	shed !!		
			_			ок		
		SW:	Software to sent Customize	<u> </u>		Save Save Save Save Save Save Save Save	e Backup to file -	
		Nip p	oint 1.FX6			C all Devices		

- 2. Select the DLCA NET in the list.
- 3. Browse to the parameter file location; select the file you wish to upload. Allowable file extension is *.FX6.
- 4. Click the UP arrow button to send the parameters to the DLCA NET.
- 5. A pop-up window indicates when process is complete

Troubleshooting program installation

Firewall is blocking the program

If Windows Firewall is blocking the Terminal Tool program, the program will not find our devices.

Delete the Terminal Tool program from the **Allowed Programs** list, which will cause the permissions dialog box to appear again the next time the program is started.

1. Open the control panel on the computer and select Windows Firewall (or WF Defender).



2. On the Windows Firewall screen, select Allow a program ...through Firewall.



				x
🔾 🗢 🖝 « Windows Firewall 🕨 Allowed Programs		• ⁴ 7	Search Con.	. <u>p</u>
File Edit View Tools Help				
Allow programs to communicate through Wi	ndows Fi	rewall		
To add, change, or remove allowed programs and parts, cli	ck Change	retvall		
To add, change, or remove allowed programs and ports, cli	ck change:	settings.		
What are the risks of allowing a program to communicate?		🐨 Char	nge settings	
Allowed programs and features:				
Name	Domain	Home/Work (Private)	Public 🔺	
iges3d\iges3dexoi.exe	✓			
☐ iges3d\iges3dimoi.exe	\checkmark			
□ iSCSI Service				
Key Management Service				
Media Center Extenders				
MFC-Anwendung Terminal				
🗹 Microsoft Office Outlook	✓			
□ Netlogon Service				
✓ Network Discovery	✓	\checkmark		
□ oarun\dpsmgr.exe	✓			
Performance Logs and Alerts				
Remote Assistance	✓	\checkmark		
		Details	Remove	
			N	· · ·
		Allow anothe	r program	
			P 5	
		ОК	Cancel	

- 3. Close all of the Control Panel windows.
- 4. Close the Terminal Tool, and then open it again.

6. The Windows Defender Firewall warning will appear; check all three boxes and then click **Allow access**.

Termina Network	I (172	.16.2.46	5) <s></s>		?	1		
* CL	MX	Туре	SW-Nr	Name	SN-Nr	(IP-)Adr	FW-Nr	MAC-ID
			Windows Securit	ty Alert ws Defender	Firewall has	blocked some	e features of this	s
			Allow MFC-Anwend Private and domain Allow MFC-Anwend Private netw Private netw Public netwo Coccuse the What are the risks:	Firewall has blocke networks. Name: I Publisher: I Path: I ung Terminal to co orks, such as a wo orks, such as a wo orks, such as my h rks, such as those ise networks often i of allowing an app.	d some features MFC-Anwendung Unknown C: 'program files (mmunicate on the rkplace network ome or work network ome or work network in airports and co have little or no s through a firewal	of MFC-Anwendung Terminal (x86)/maxcess/termin ise networks: work offee shops (not reco ecurity)	Terminal on all public, nall/terminal.exe mmended	
			No Soltware loaded			S Alor	w access Can	cel

- 7. The main screen of the Terminal Tool will open.
- 8. See pages 7 through 10 for Terminal Tool operation details.



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